

FIG. 1

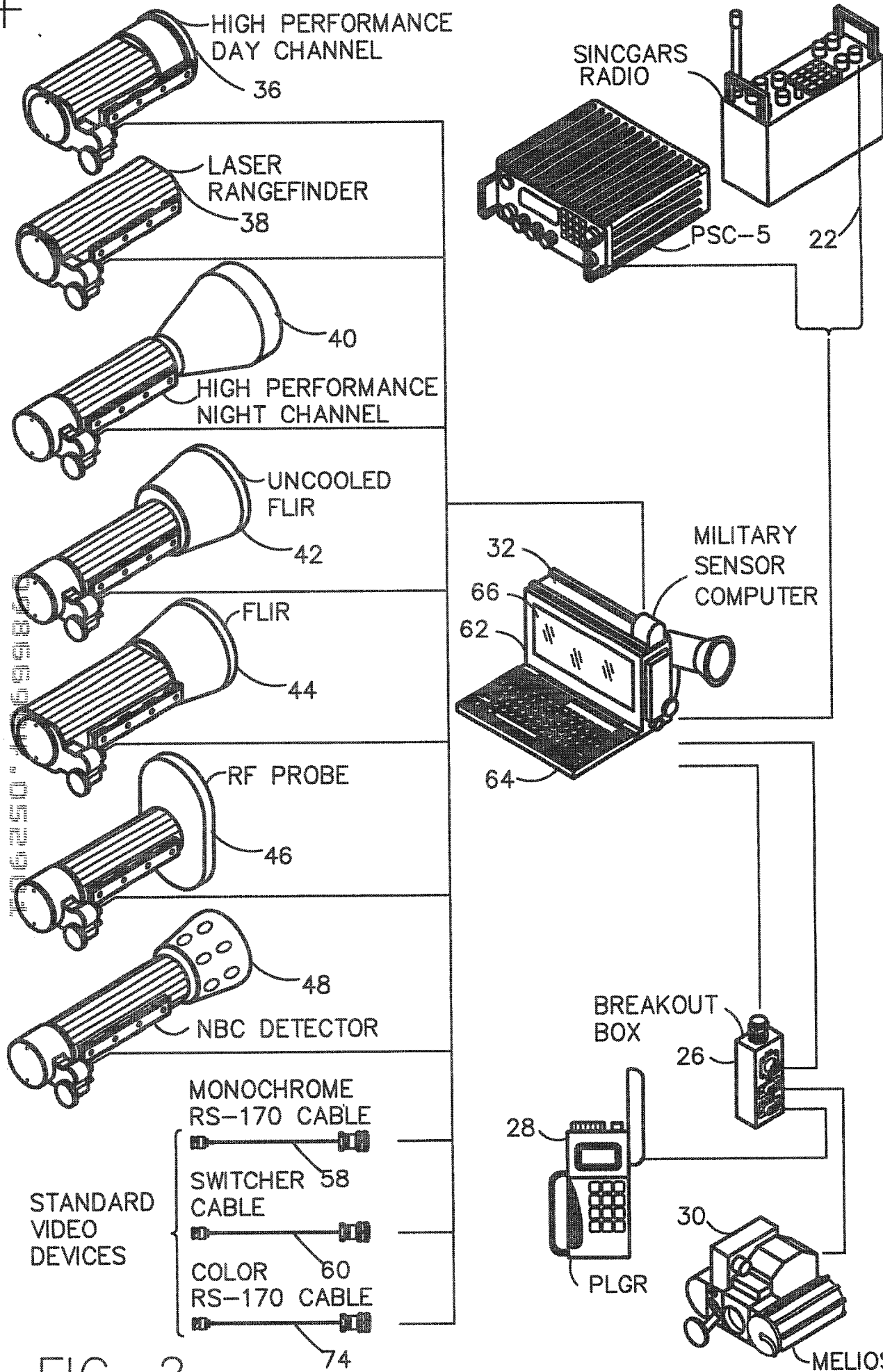


FIG. 2

+

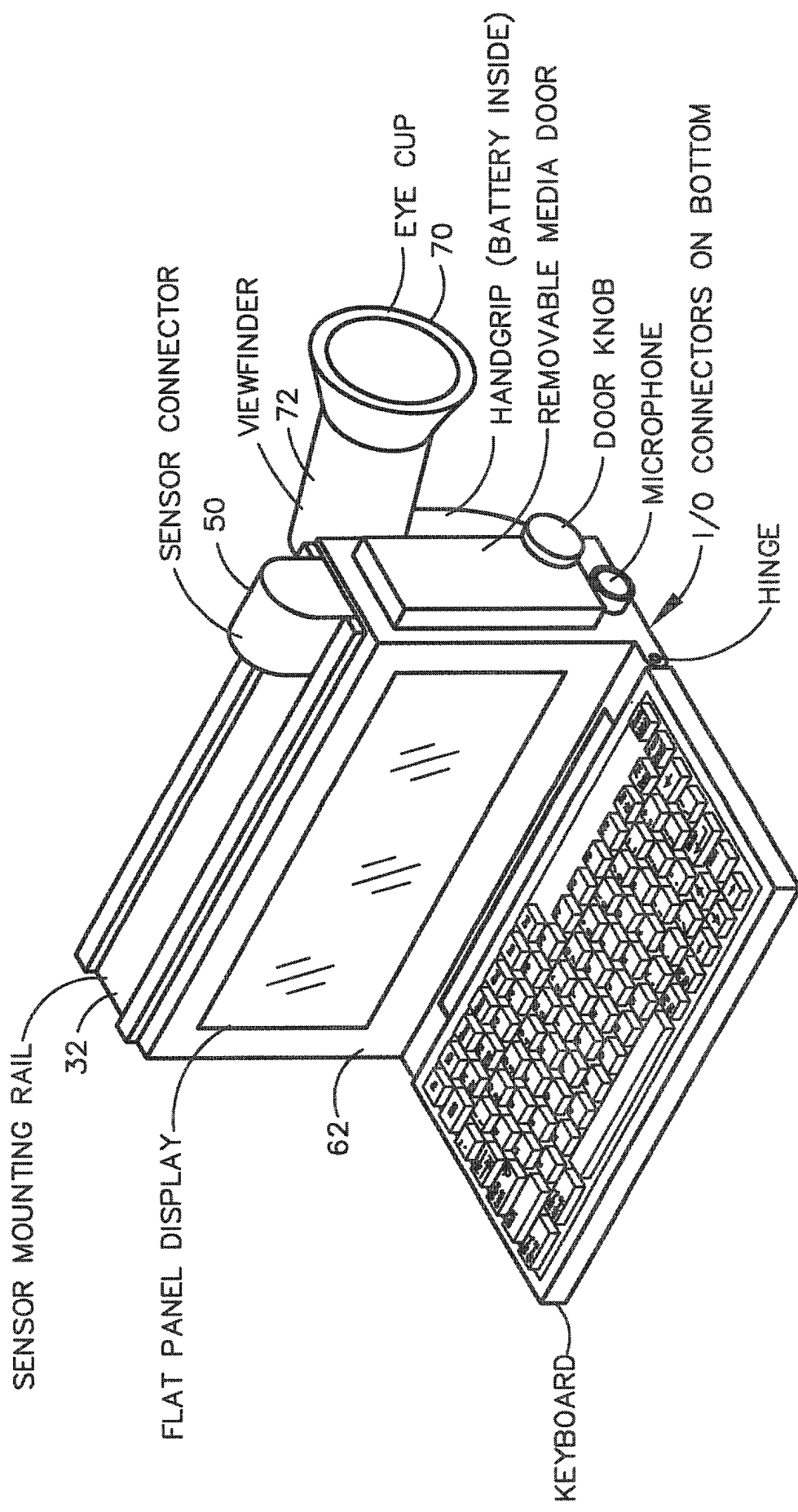


FIG. 3

+

+

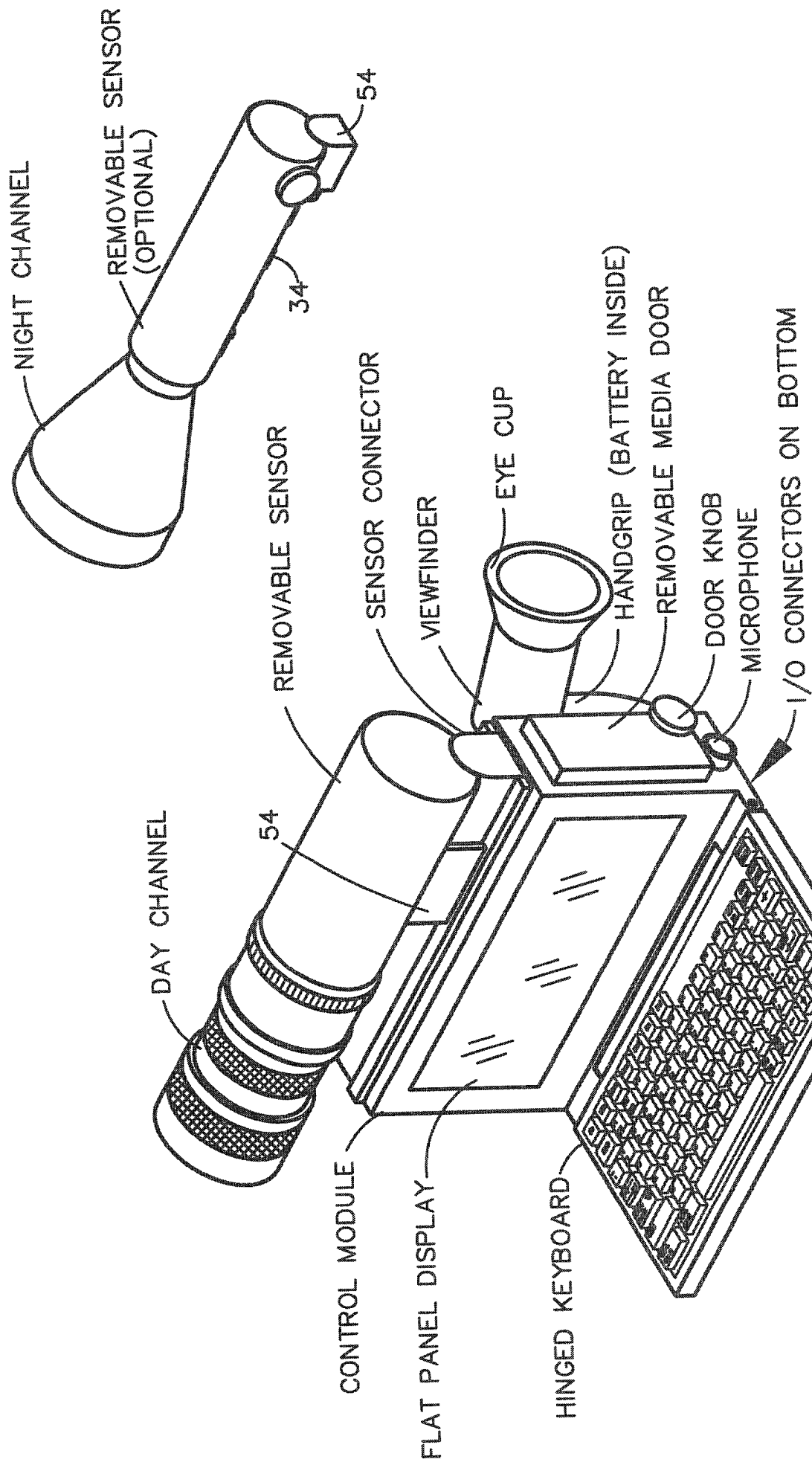


FIG. 4

+

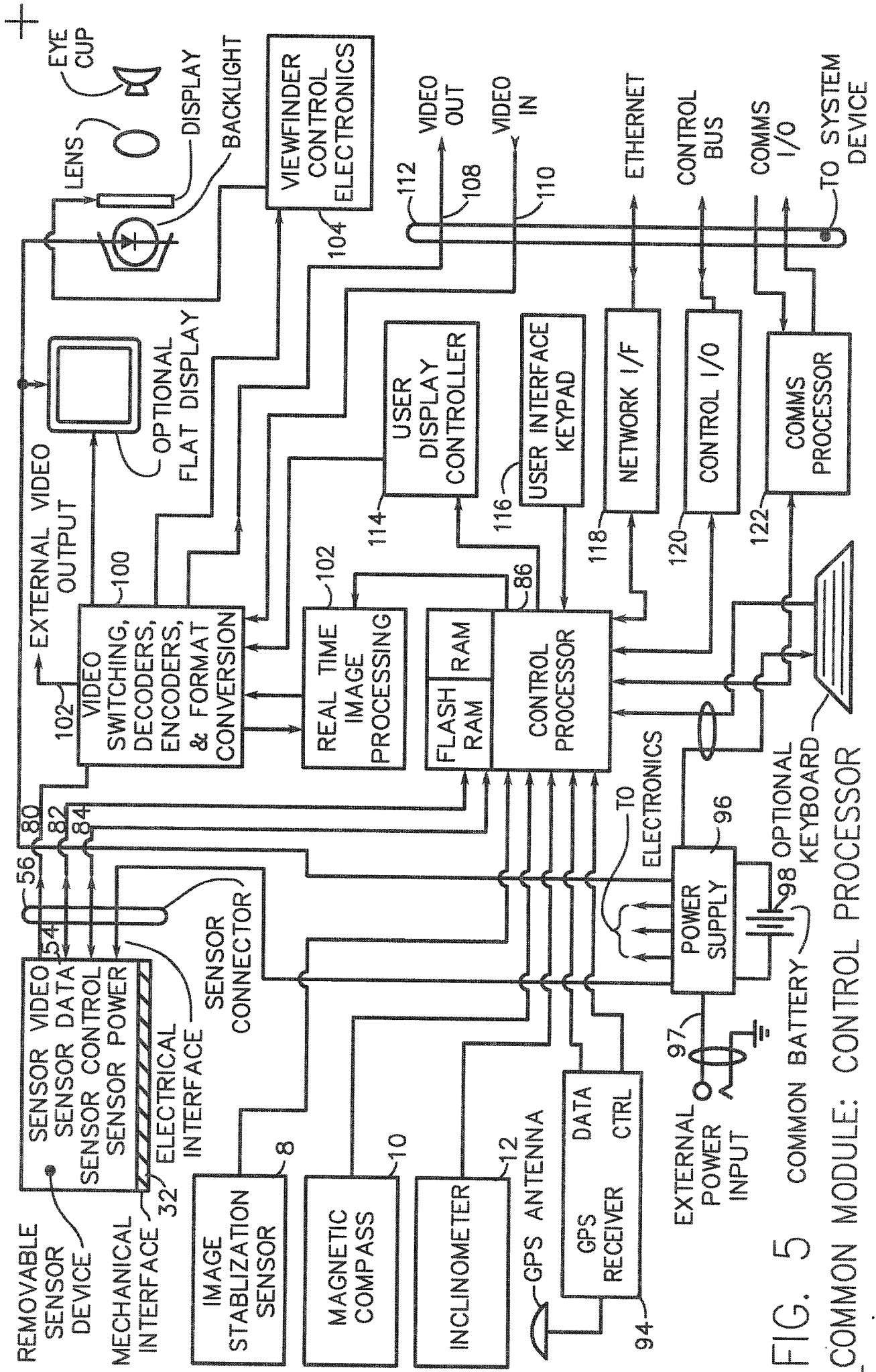


FIG. 5  
COMMON MODULE: CONTROL PROCESSOR

+

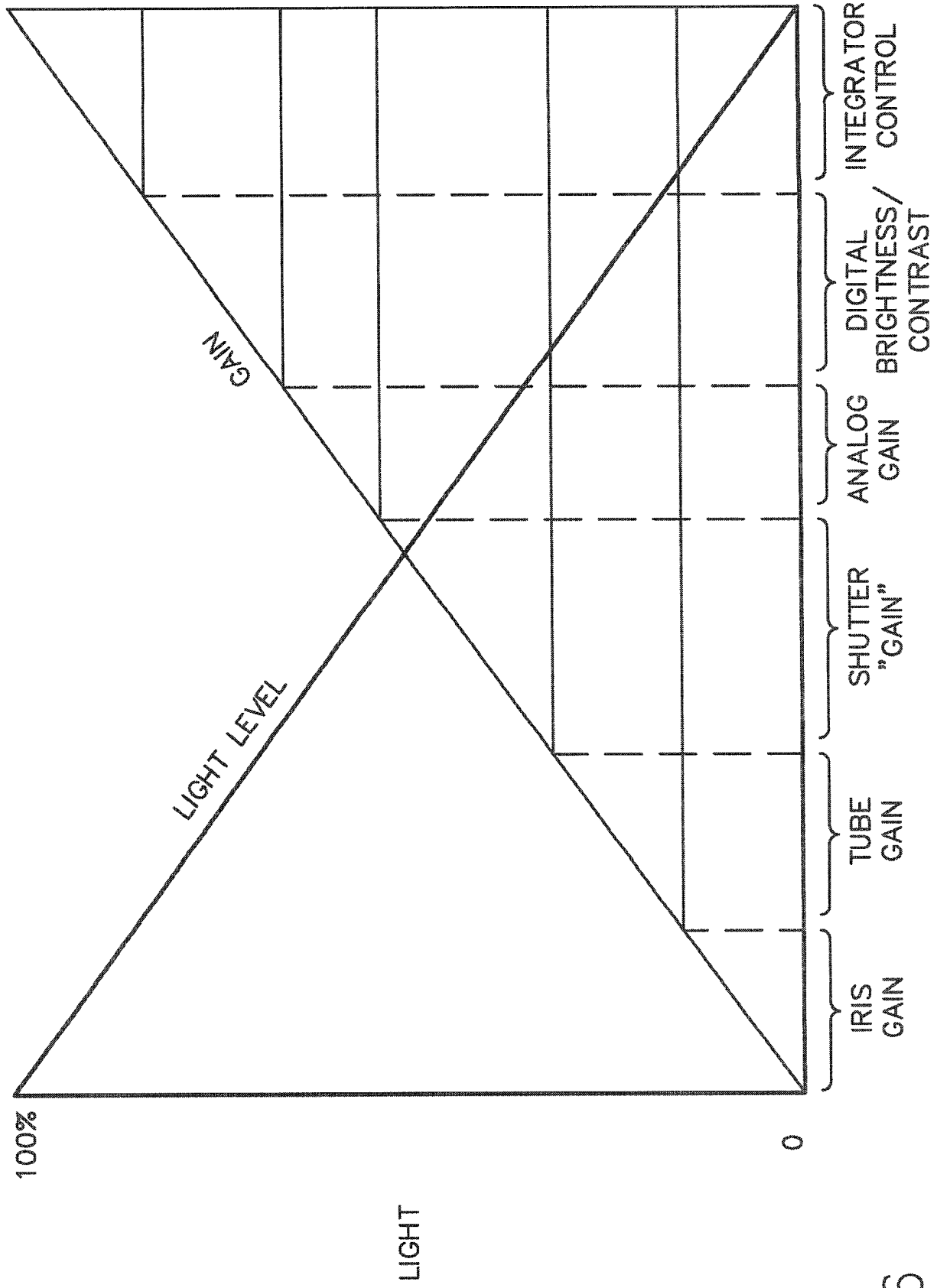
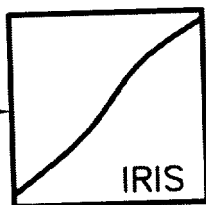


FIG. 6

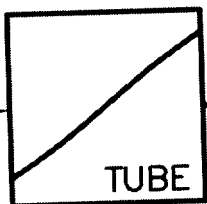
+

+

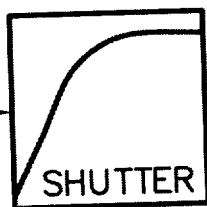
LOOK  
UP  
TABLES



IRIS CONTROL



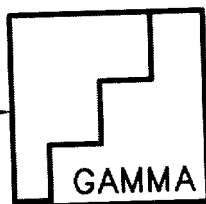
TUBE GAIN CONTROL



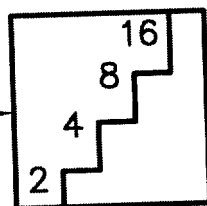
CAMERA SHUTTER CONTROL



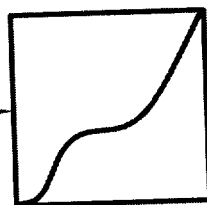
ANALOG FRONT END GAIN



CAMERA GAMMA CONTROL



FRAME INTEGRATOR CONTROL



VIDEO LOOK UP TABLE  
ADJUSTMENT SOFTWARE

USER CONTRAST ADJUST

FIG. 7

+

SCANNED # 22

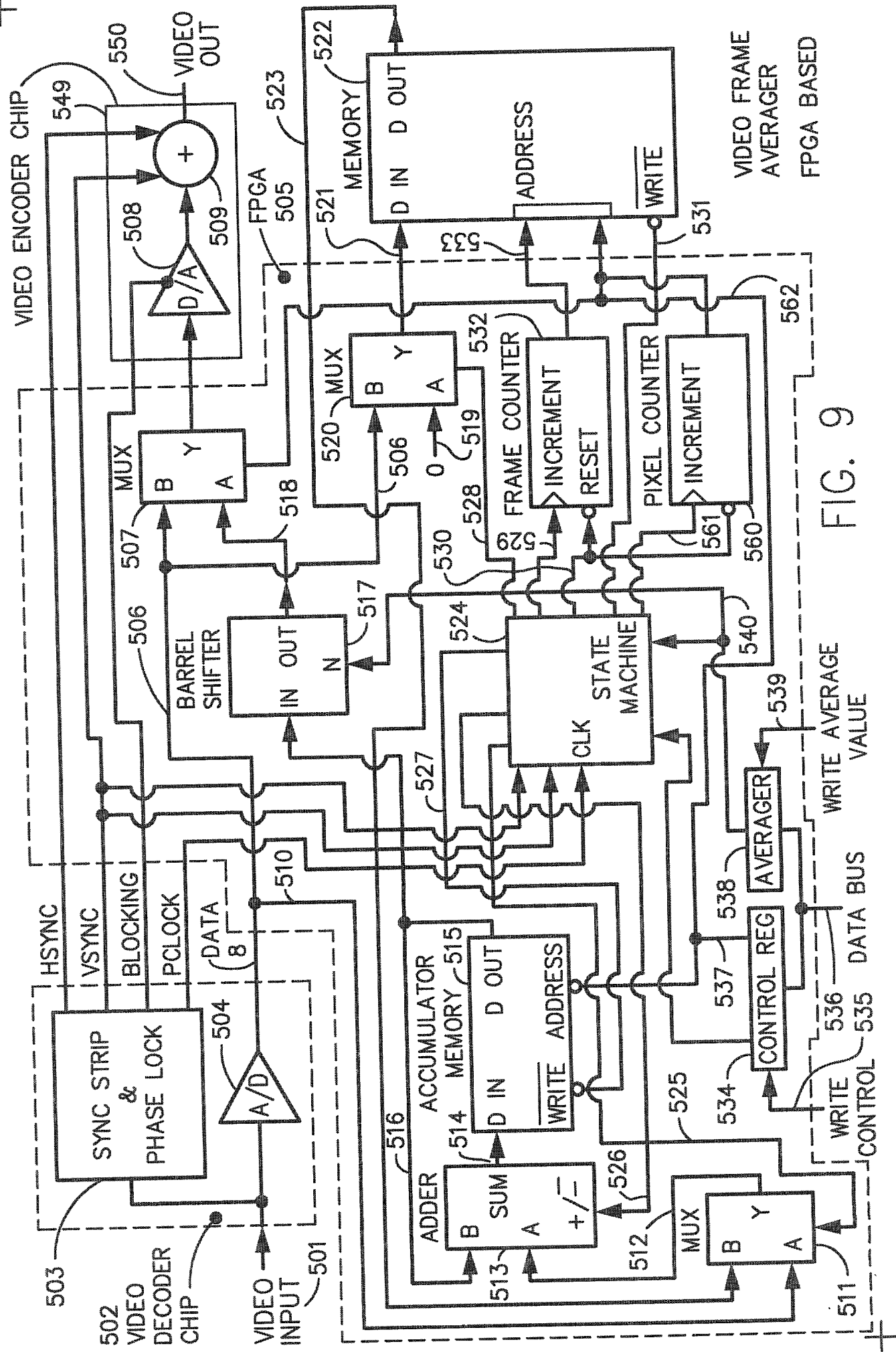
LIGHT  
LEVEL

"GAIN  
ADJUST"



$\infty$   
 $\frac{1}{L}$





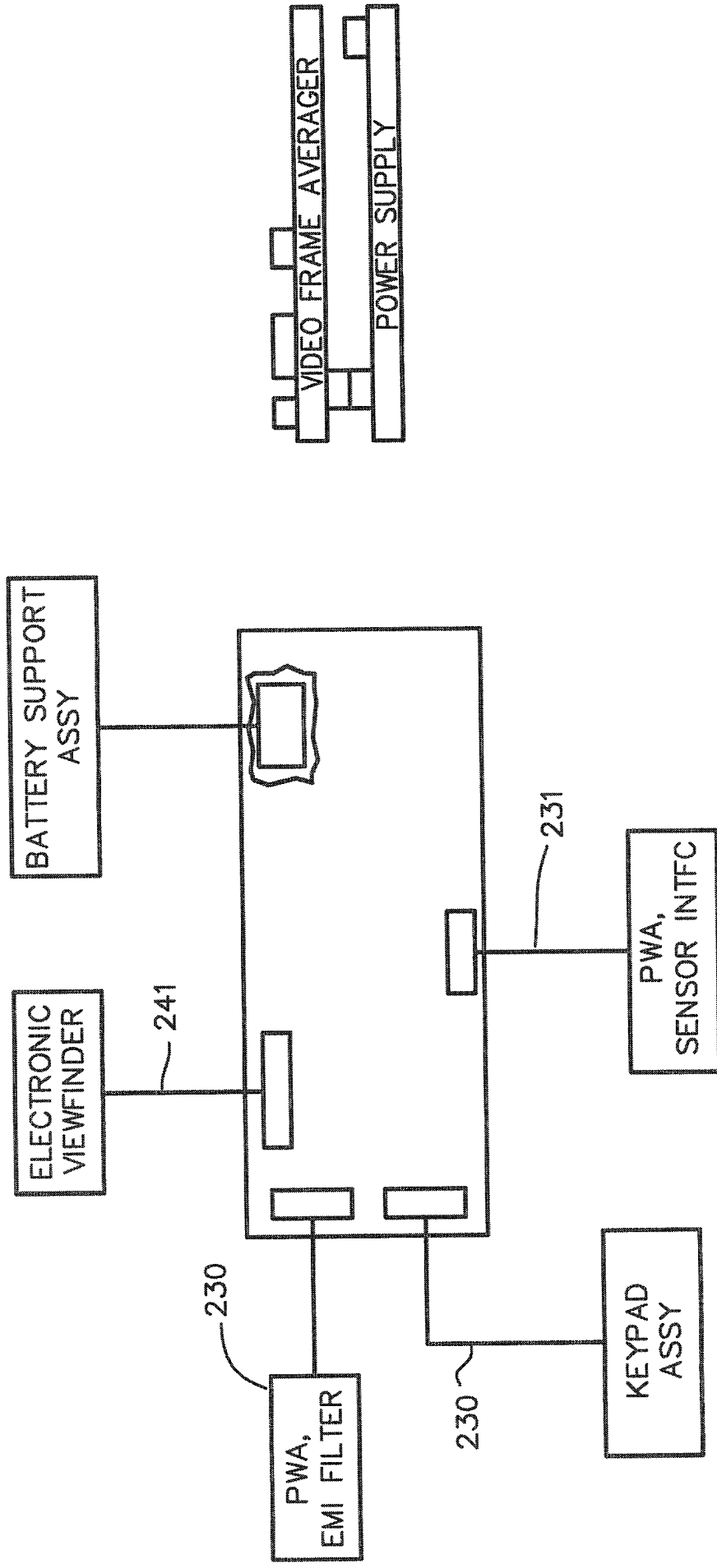


FIG. 10





[illegible]

<b>C-Spectrum</b> <i>Technology</i> <b>INTELLIGENT INSTRUMENTATION</b> 12735 Spectrump Drive San Antonio, Texas 78249	Project #	VFA	Ship Date Price \$100.00 Qty 1	Ship to P.O. Box 108 Houston, TX 77201	Ship to Street 2 City 7	Row A 7
	Company Name Roger Fowler	Proprietary & Confidential Drawn By R. Buckner		Draw # 02-1031-001		

FIG. 10e

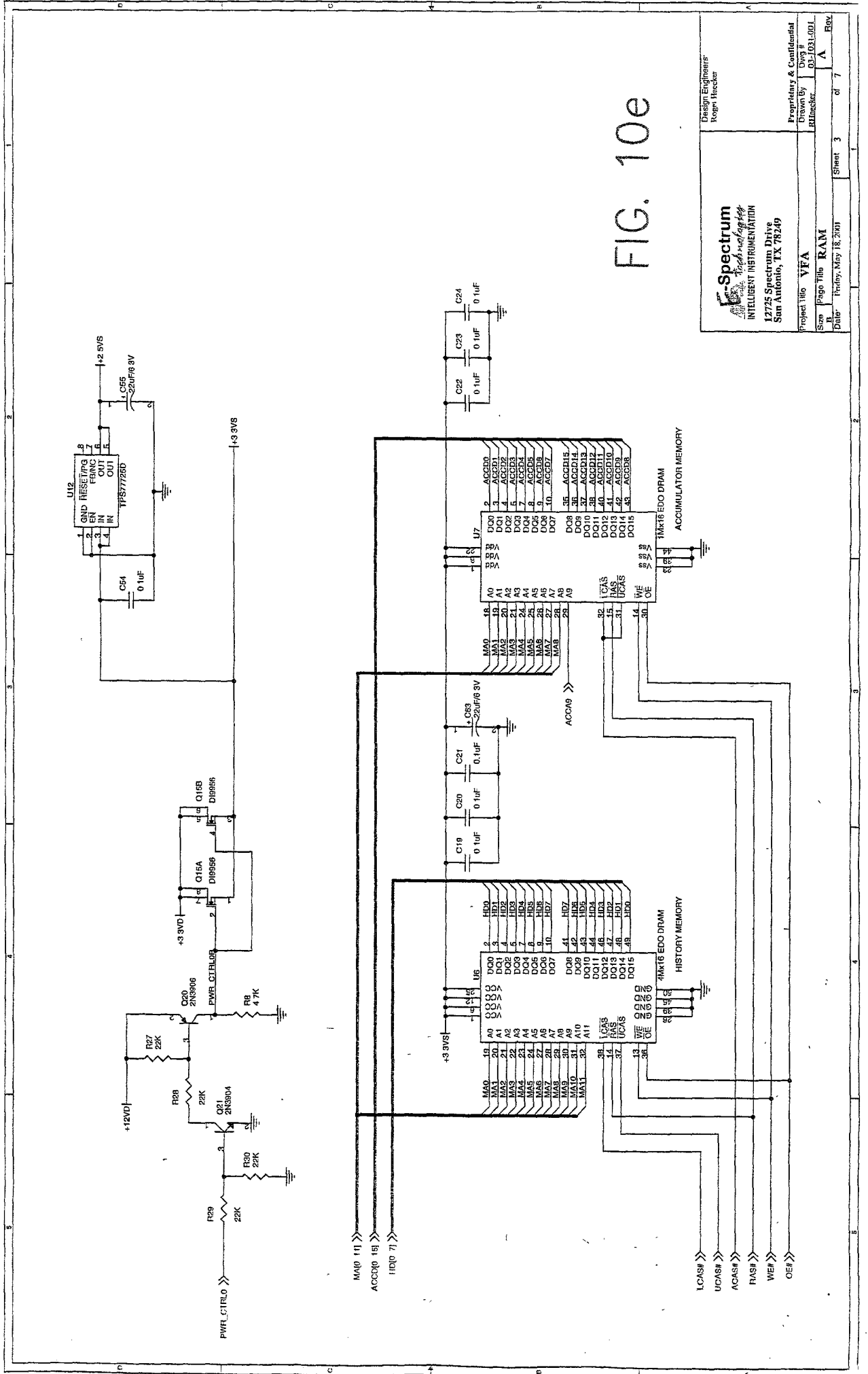



FIG. 10e



**Spectrum**  
INTELLIGENT INSTRUMENTATION  
13725 Spectrum Drive  
San Antonio, TX 78249

Design Engineers:  
Rogin Huecker

Project No: **VFA**

Page No: **RAM**

Drawn By: **RHuecker**

Proprietary & Confidential

Dwg #: **02-1031-001**

Size: **A**

Date: **Friday, May 18, 2001**

Sheet: **3** of **7**

Rev: **A**

106350-1469360

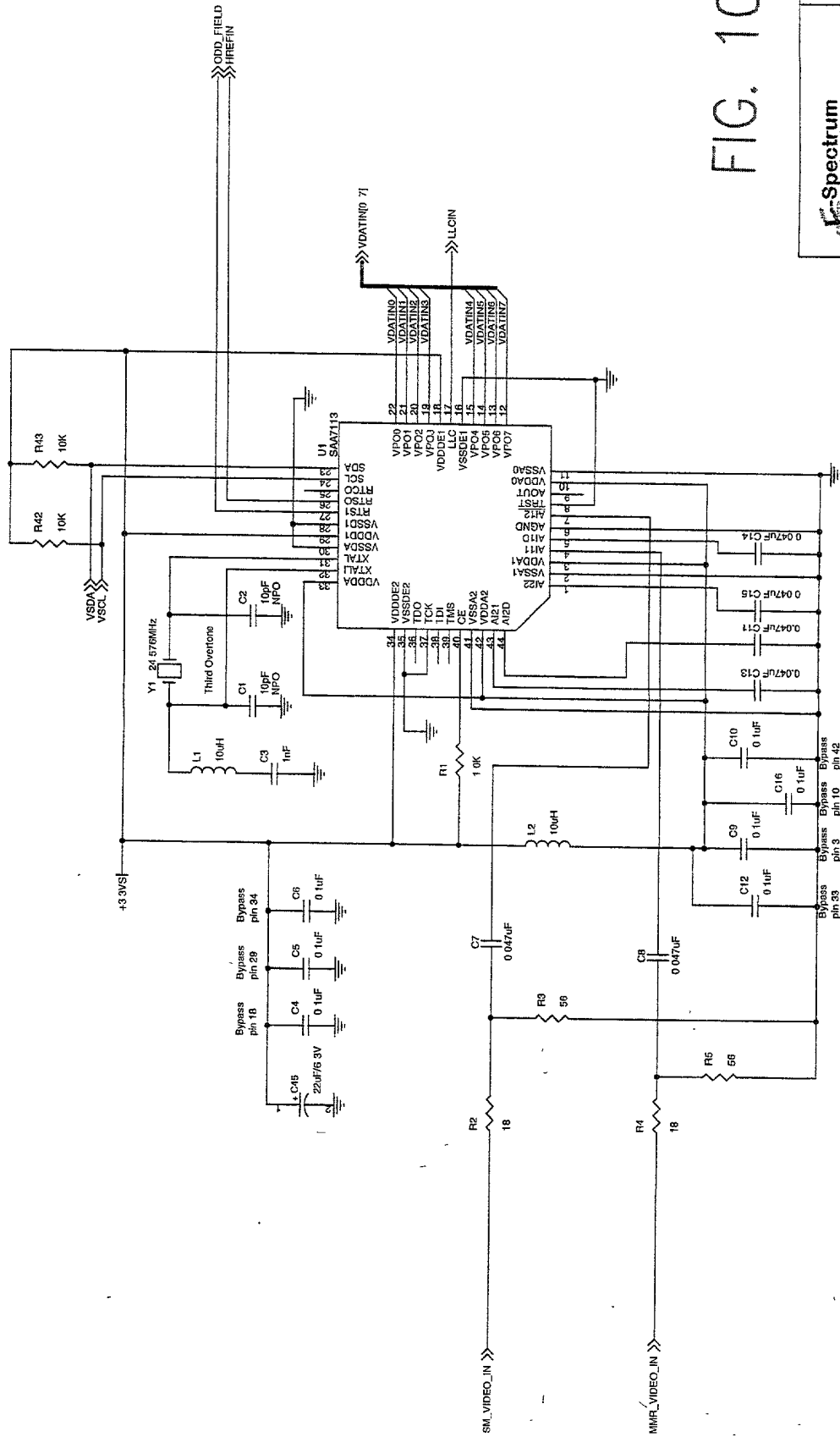


FIG. 10f

<b>Spectrum</b> INTELLIGENT INSTRUMENTATION 12725 Spectrum Drive San Antonio, Texas 78249		Design Engineers Roger Tucker	
Project Title: <b>VFA</b>		Proprietary & Confidential	
Page Title: <b>VIDEO DECODER</b>		Drawn By: <b>RHacker</b>	
Size: <b>A</b>		Dwg #: <b>01-1031-001</b>	
Date: <b>Friday, May 18, 2001</b>		Rev: <b>4</b>	
Sheet: <b>4</b>		of <b>7</b>	

FIG. 10g

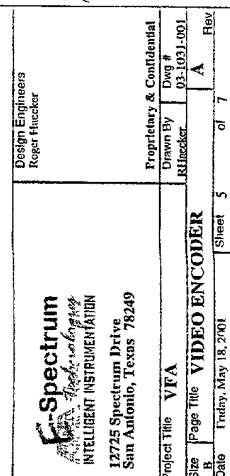


FIG. 10h

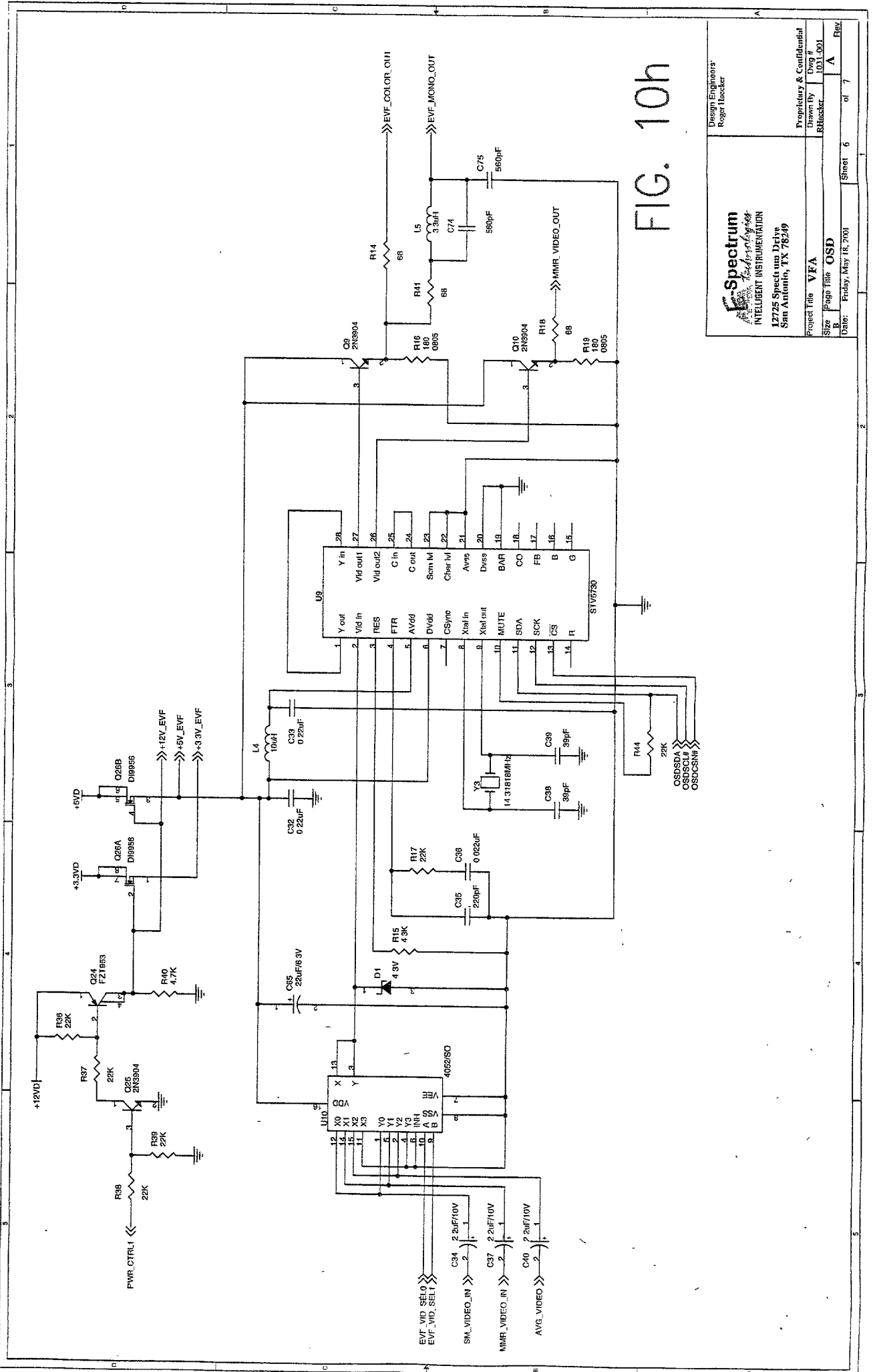
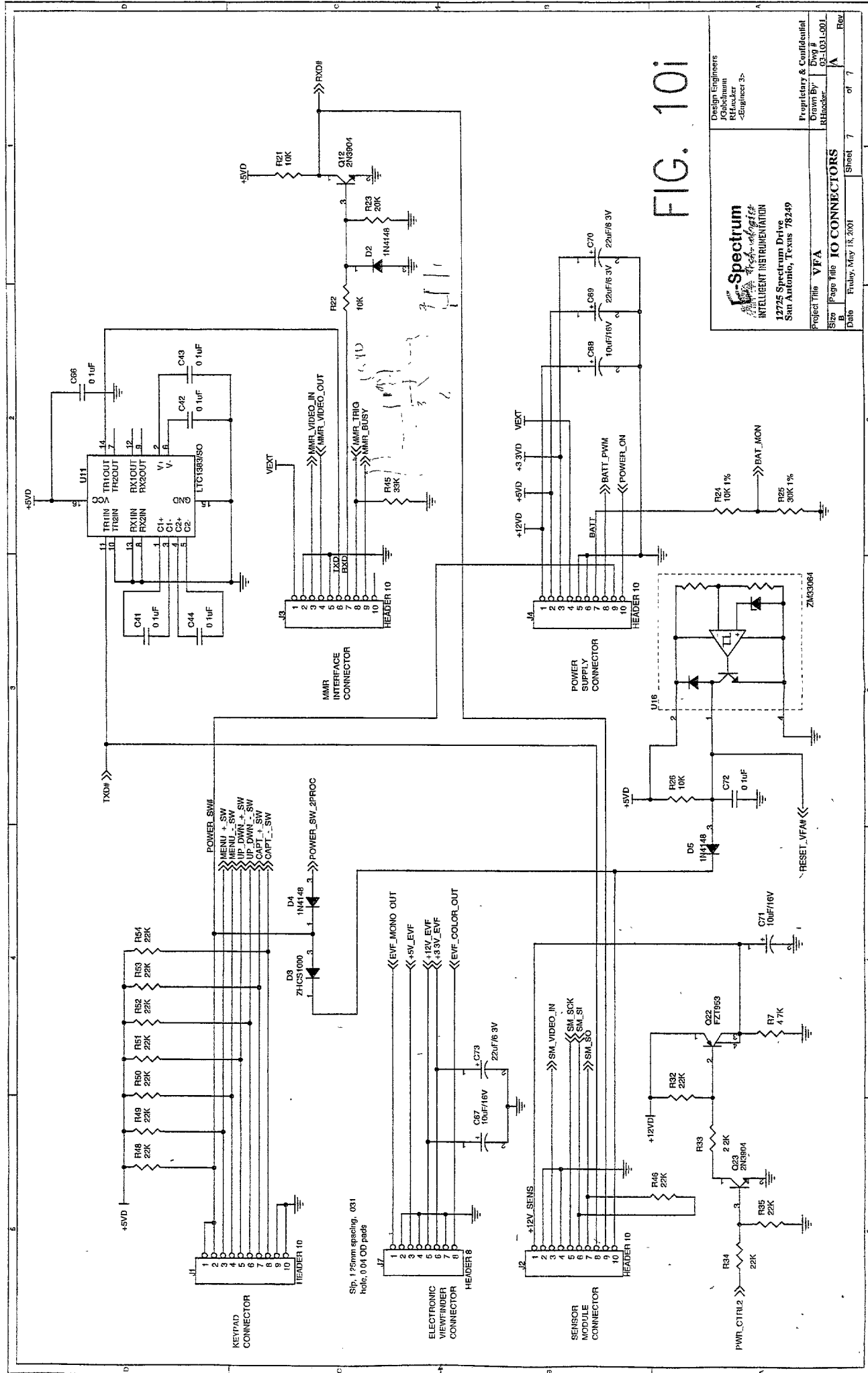


FIG. 10h

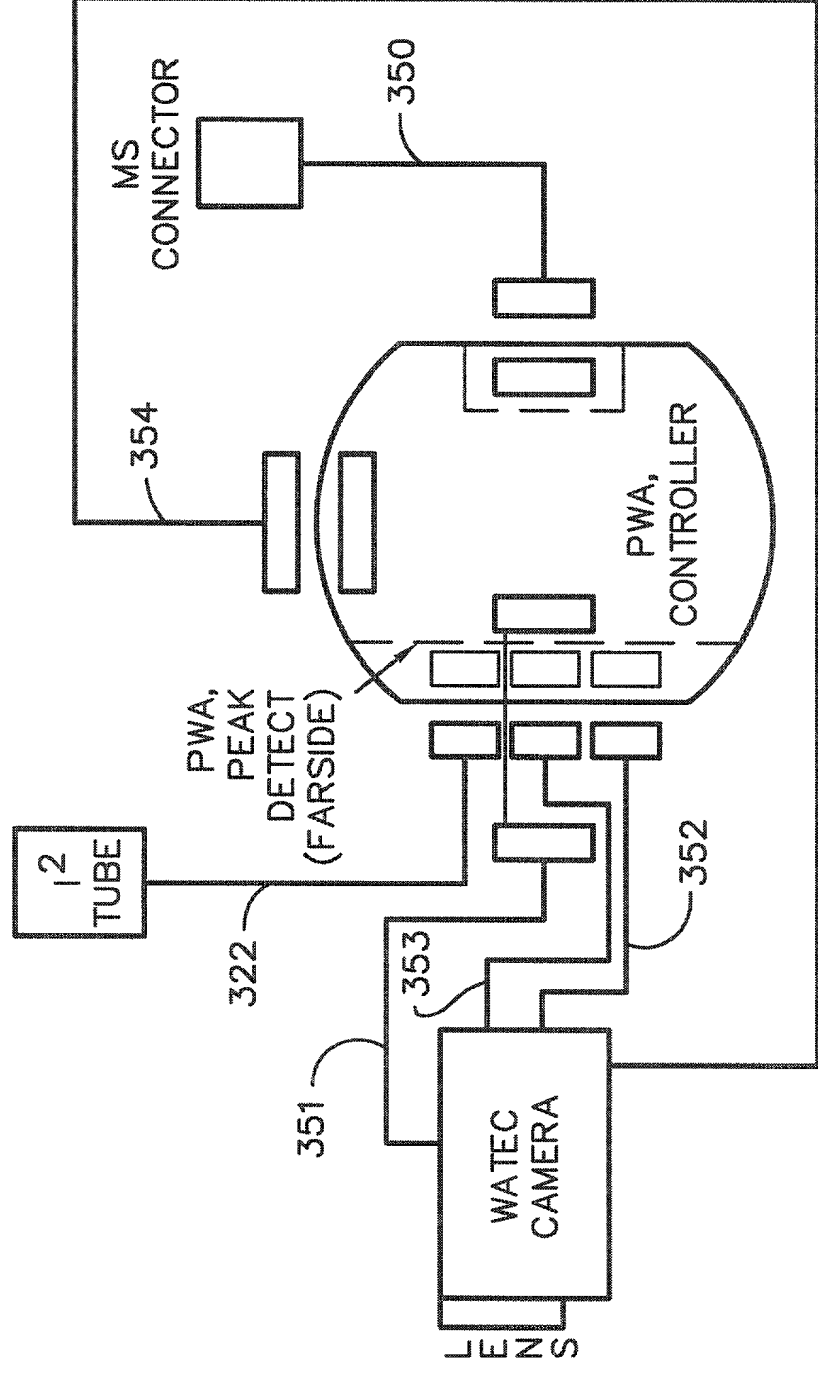
Design Engineers: Roger Tucker		Proprietary & Confidential	
Spectrum INTELLIGENT INSTRUMENTATION		Drawn By R. Tucker	
12725 Spectra um Drive San Antonio, TX 78249		Dwg # 1031-001	
Project Title VFA		Sheet 6	
Date: Friday, May 18, 2001		Rev A	



106530" + 259360



+



CONNECTION DIAGRAM

FIG. 11

+

+

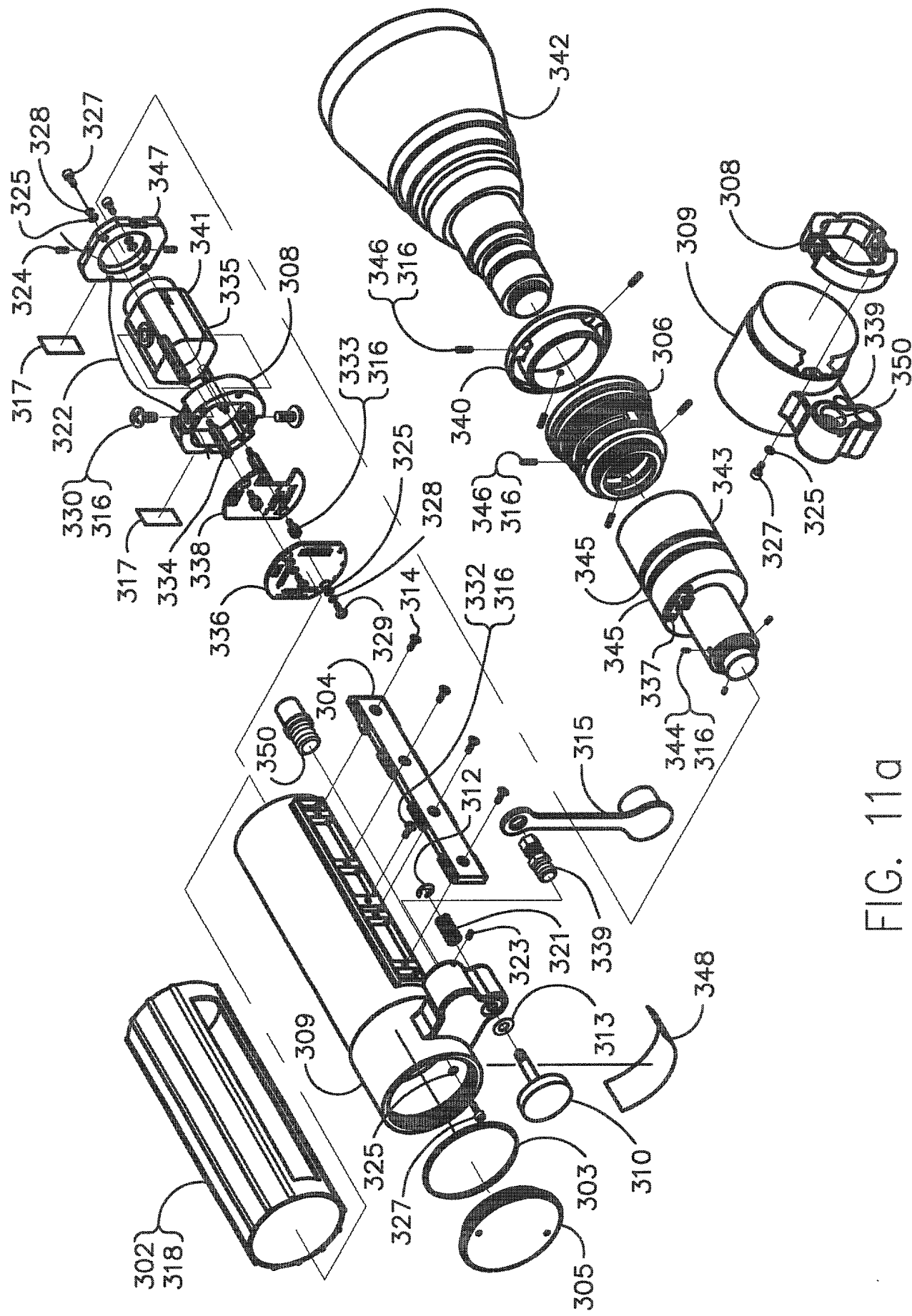


FIG. 11a

+

[illegible]

10 AND POWER SUPPLY



SCH DIA,  
CONTROLLER,  
NIGHT CHANNEL

SCH-9254-001 A

PHOTOCOPYING CORPORATION (SEE SHEET 1)

FIG. 11c

PHOTO TELETYPE  
SCH DIA  
CONTROLLER  
NIGHT CHANNEL  
SCH-9254-001

PHOTO TELETYPE CORPORATION  
PROPRIETARY (SEE SHEET 1)

**MACROCONTROLLER**

**Parade Technology**  
Advanced Design Automation

**SCH DIA  
CONTROLLER  
NIGHT CHANNEL**

**DI SCH-9254-001A**  
CIRCUIT BOARD  
REVISION 13 of 24

**8**

PHOTOTELETYPE CORPORATION  
PROPRIETARY (SEE SHEET 1)

[illegible]

## CASE STUDY



SCH DIA,  
CONTROLLER,  
NIGHT CHANNEL.

DI SCH-9254-001A

PHOTOTELESS CORPORATION  
 PROPRIETARY (SEE SHEET 1)

+

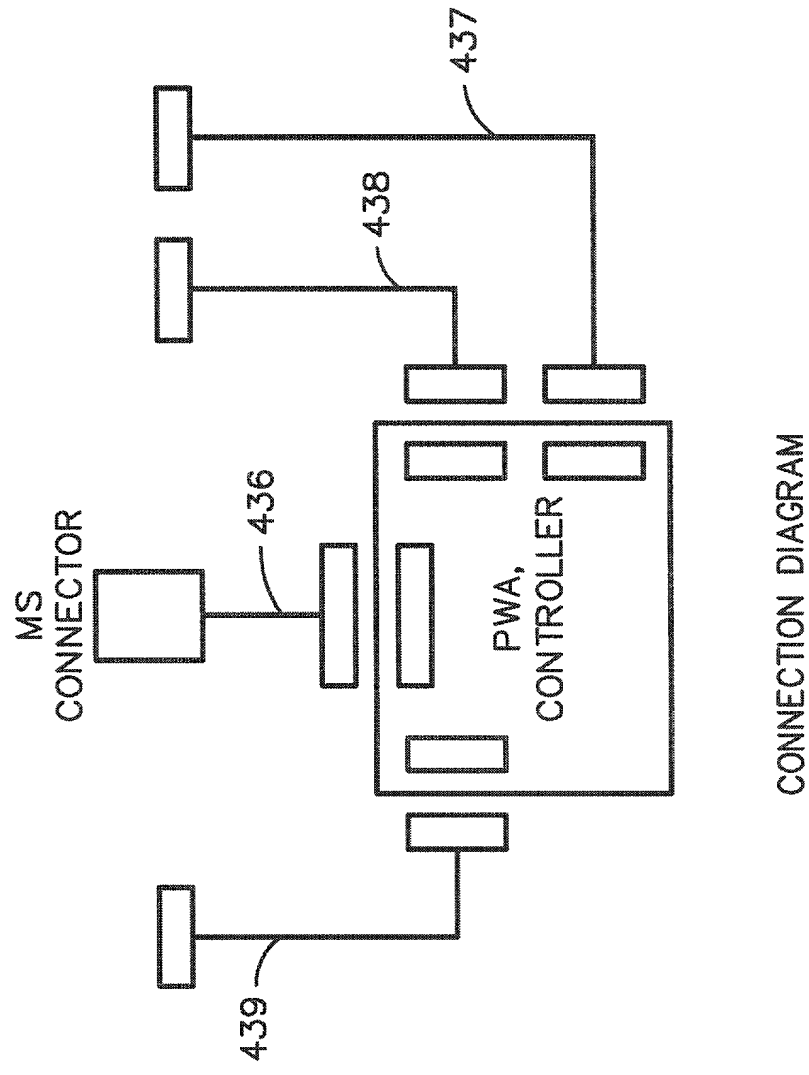


FIG. 12

+

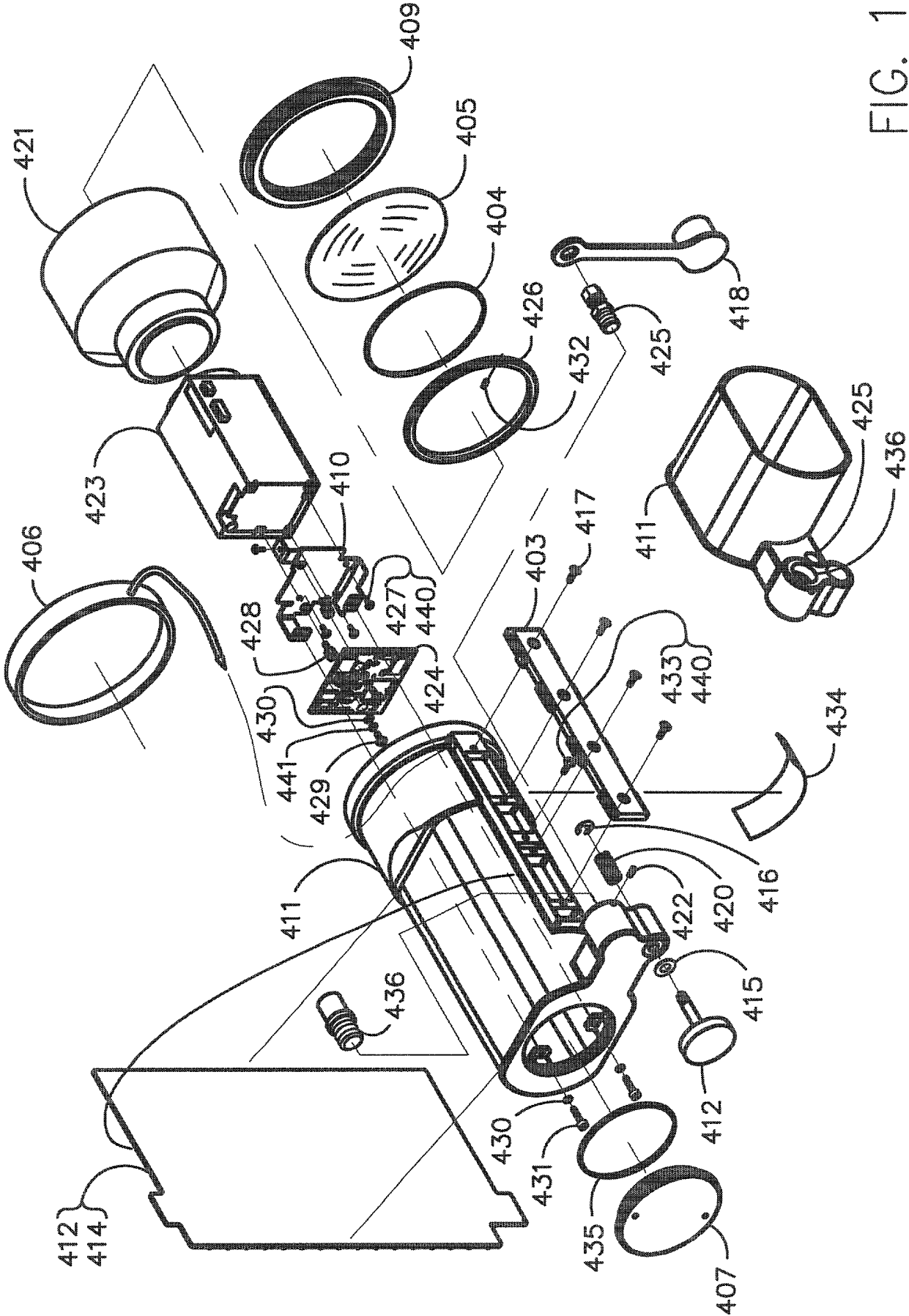


FIG. 12a





FIG. 12b

YFA INTERFACE

SCH DIA,  
CONTROLLER  
DAY CHANNEL

SCH-9253-001A

PHOTOELECTRIC CORPORATION  
PROPRIETARY (SEE SHEET 1)

## VFA INTERFACE

## VFA INTERFACE

**SuperPhoto Tubes**  
 The most powerful photographic tubes available  
 for the most demanding photographic applications

SCH DIA,  
CONTROLLER,  
DAY CHANNEL

SCH-9253-001

PHOTOTECHNICS CORPORATION  
 PROPRIETARY (SEE SHEET 1)

[illegible]

## MICROCONTROLLER

**PhotoTach™**  
The world's first and only  
patented image transfer system

**SCH DIA,  
CONTROLLER,  
DAY CHANNEL**

DI SCH-9253-001A

PHOTOTELES CORPORATION  
PROPRIETARY (SEE SHEET 1)

FO6350-4259860

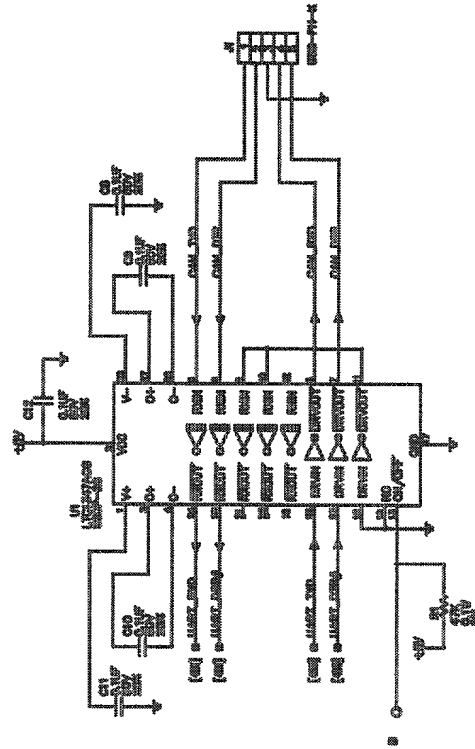


FIG. 12d

RS-232 INTERFACE



SCH DIA  
CONTROLLER  
DAY CHANNEL

SCH-9253-001  
REV. 1.0  
1998

PHOTOLESS CORPORATION  
PROPRIETARY (SEE SHEET 1)